

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.yy**DAILY PROJECT JOURNAL****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Report No:** DPJ-000007**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Dated:** 01-Dec-2006**Location:** Shanghai, China

**Submittals(New / Total):**      **CWR's:** 0 / 0      **HSR's:** 0 / 0      **NCR's:** 0 / 0

Item	Title	Detail
1	Major component movement	<p>Conducted welding of PQR 1G FCAW (HP-2006107-1) using Hyundai Supercored 71H electrode to AWS D1.5, Section 5.12.1 (Maximum Heat Input), note this is a retest.</p> <p>Observed the RT film on the following PQR's: 1G GMAW PQR HP-2006119 - rejected by Caltrans for porosity 1G FCAW PQR HP-2006107 - rejected by ZPMC for Lack of Fusion</p> <p>Observed mechanical testing of 3G FCAW PQR HP-2006118 - all tests appeared to comply</p>
2	Key conversations	The QA Inspector explained the RT spacing requirement for discontinuities > 1.6mm. Although the individual discontinuities were acceptable by code, the spacing between discontinuities was less than allowed, and the discontinuities needed to be evaluated as a single discontinuity.
3	Logistics	QA viewed the new shop facilities still under construction. It appears the electrical power has been run through underground trenches to various areas of the facility. QA observed tracks and gantry cranes, but it is not apparent if these will be a permanent part of the facility or if they are just temporary for the work ZPMC is performing on container cranes currently being constructed on the concrete pads.
4	Quality Assurance Inspectors per shift	2 AM 0 PM

**Inspected By:** McClary,David

Quality Assurance Inspector

**Reviewed By:** Lowry,Patrick

QA Reviewer